

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Isamu IIZUKA et al.
Title: APPARATUS AND METHOD FOR ESTIMATING RESIDUAL
GAS AMOUNT OF INTERNAL COMBUSTION ENGINE, AND
APPARATUS AND METHOD FOR CONTROLLING INTAKE AIR
AMOUNT OF INTERNAL COMBUSTION ENGINE USING
ESTIMATED RESIDUAL GAS AMOUNT

Appl. No.: Unassigned

Filing Date: July 14, 2003

Examiner: Unknown

Art Unit: Unknown

UTILITY PATENT APPLICATION
TRANSMITTAL

Mail Stop PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional
utility patent application of:

Isamu IIZUKA
Kenichi MACHIDA
Hirokazu SHIMIZU

☐ Applicant claims small entity status under 37 CFR 1.27.

Enclosed are:

- ☒ Specification, Claim(s), and Abstract (48 pages).
- ☒ Formal drawings (28 sheets, Figures 1-30).
- ☒ Declaration and Power of Attorney (4 pages).
- ☒ Information Disclosure Statement.
- ☒ Form PTO/SB/08 with copies of 2 listed reference(s).

☒ Application Data Sheet (37 CFR 1.76).

☒ Claim for Convention Priority with 3 certified Japanese priority documents.

The filing fee is calculated below:

	Claims as Filed		Included in Basic Fee		Extra Claims		Rate		Fee Totals
Basic Fee							\$750.00		\$750.00
Total Claims:	48	-	20	=	28	x	\$18.00	=	\$504.00
Independents:	6	-	3	=	3	x	\$84.00	=	\$252.00
If any Multiple Dependent Claim(s) present:						+	\$280.00	=	\$0.00
							SUBTOTAL:	=	\$1506.00
<input type="checkbox"/>							Small Entity Fees Apply (subtract ½ of above):	=	\$0.00
							TOTAL FILING FEE:	=	\$1,506.00

☒ A check in the amount of \$1,506.00 to cover the filing fee is enclosed.

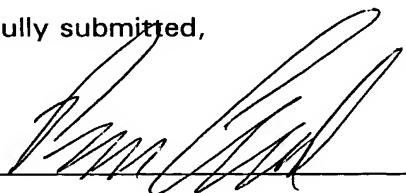
☐ The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.

☒ The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

By



Pavan K. Agarwal
Attorney for Applicant
Registration No. 40,888

Date July 14, 2003

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